



Docket No.: 13111-00033-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kai Ostermann et al.

Application No.: 10/572189

Confirmation No.: N/A

Filed: March 15, 2006

Art Unit: N/A

For: SECRETION OF PROTEINS FROM YEASTS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

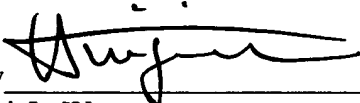
This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such. Moreover, Applicants understand the Examiner will make an independent evaluation of the cited documents.

Applicants believe no fee is due with this response. However, if a fee is due, the Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13111-00033-US from which the undersigned is authorized to draw.

Respectfully submitted,

By 

Hui-Ju Wu

Registration No.: 57,209
CONNOLLY BOVE LODGE & HUTZ LLP
1007 North Orange Street
P.O. Box 2207
Wilmington, Delaware 19899
(302) 658-9141
(302) 658-5614 (Fax)
Agent for Applicants



PTO/SB/08a/b (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/572189
				Filing Date	March 15, 2006
				First Named Inventor	Kai Ostermann
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	3	Attorney Docket Number	13111-00033-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-5,010,182	04-23-1991	Brake, et al.	
	AB*	US-5,642,487	06-24-1997	Flynn, et al.	
	AC*	US-2003/0049726	03-13-2003	Holloway, et al.	
	AD*	US-2003/0077831	04-24-2003	Tekamp-Olson P.	
	AE*	US-2003/0217419	11-27-2003	Vic G.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP-0 252 561	01-13-1988	Sclavo S.p.A.		
	BB	EP-0 662 515	07-12-1995	Korea Institute of Science and Technology		
	BC	EP-0 773 296	05-14-1997	Asahi Glass Company Ltd.		
	BD	EP-1 223 219	07-17-2002	Asahi Glass Company Ltd.		
	BE	WO-96/41882	12-27-1996	Proefstation voor de Champignoncultuur & Rijksland-Bouwuniversiteit Wageningen		
	BF	WO-00/58342	10-05-2000	Valtion Teknillinen Tutkimuskeskus		
	BG	WO-01/57067	08-09-2001	Supratek Pharma Inc.		
	BH	WO-01/57528	08-09-2001	Applied Nanosystems, B.V. & Stichting voor de Technische Wetenschappen		
	BI	WO-01/74864	10-11-2001	Applied Nanosystems B.V.		
	BJ	WO-02/20651	03-14-2002	Zymogenetics, Inc.		
	BK	WO-02/46369	06-13-2002	Septegen Ltd.		
	BL	WO-03/053383	07-03-2003	L'Oreal		
	BM	WO-01/57066	08-09-2001	Applied Nanosystems B.V.		
	BN	JP-06 327481	11-29-1994	Asahi Glass Company Ltd.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	URBAN, M., et al., "The Biallelic a Mating Type Locus of <i>Ustilago maydis</i> : Remnants of an Additional Pheromone Gene Indicate Evolution from a Multiallelic Ancestor", Mol. Gen. Genet., 1996, Vol. 250, pp. 414-420.	
	CB	HALSALL, J.R., et al., "Three Subfamilies of Pheromone and Receptor Genes Generate	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/572189
				Filing Date	March 15, 2006
				First Named Inventor	Kai Ostermann
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	3	Attorney Docket Number	13111-00033-US

		Multiple <i>B</i> Mating Specificities in the Mushroom <i>Coprinus cinereus</i> ", Genetics, 2000, Vol. 154, pp. 1115-1123.	
	CC	DAVEY, J., "Mating Peromones of the Fission Yeast <i>Schizosaccharomyces pombe</i> : Purification and Structural Characterization of M-factor and Isolation and Analysis of Two Genes Encoding the Pheromone", The EMBO Journal, 1992, Vol. 11, No. 3, pp. 951-960.	
	CD	MICHAELIS, S., et al., "The a-Factor Pheromone of <i>Saccharomyces cerevisiae</i> Is Essential for Mating", Molecular and Cellular Biology, 1988, Vol. 8, No. 3, pp. 1309-1318.	
	CE	KURJAN, J., et al., "Structure of a Yeast Pheromone Gene (MF α): A Putative α -Factor Precursor Contains Four Tandem Copies of Mature α -Factor", Cell, 1982, Vol. 30, pp. 933-943.	
	CF	WONG, S., et al., "Evidence from Comparative Genomics for a Complete Sexual Cycle in the 'Asexual' Pathogenic Yeast <i>Candida glabrata</i> ", Genome Biology, 2003, Vol. 4, No. 2, pp. R10.1-R10.9.	
	CG	EGEL-MITANI, M., et al., "Nucleotide Sequence of the Gene Encoding the <i>Saccharomyces kluyveri</i> α Mating Pheromone", Nucleic Acids Research, 1987, Vol. 15, No. 15, p. 6303.	
	CH	KJAERULFF, S., et al., "Analysis of the Structural Genes Encoding M-Factor in the Fission Yeast <i>Schizosaccharomyces pombe</i> : Identification of a Third Gene, <i>mfm3</i> ", Molecular and Cellular Biology, 1994, Vol. 14, No. 6, pp. 3895-3905.	
	CI	WESSELS, J.G.H., "Hydrophobins: Proteins that Change the Nature of the Fungal Surface", Advances in Microbial Physiology, 1997, Vol. 38, pp. 1-45.	
	CJ	PEARSON, W.R., et al., "Improved Tools for Biological Sequence Comparison", Proc. Natl. Acad. Sci. USA, 1988, Vol. 85, pp. 2444-2448.	
	CK	MCLEOD, M., et al., "The Product of the <i>mei3+</i> Gene, Expressed under Control of the Mating-Type Locus, Induces Meiosis and Sporulation in Fission Yeast", The EMBO Journal, 1987, Vol. 6, No. 3, pp. 729-736.	
	CL	HOFFMAN, C.S., et al., "Glucose Repression of Transcription of the <i>Schizosaccharomyces pombe</i> <i>fbp1</i> Gene Occurs by a cAMP Signaling Pathway", Genes & Development, 1991, Vol. 5, pp. 561-571.	
	CM	MAUNDRELL, K., " <i>nmt1</i> of Fission Yeast", The Journal of Biological Chemistry, 1990, Vol. 265, No. 19, pp. 10857-10864.	
	CN	BASI, G., et al., "TATA Box Mutations in the <i>Schizosaccharomyces pombe</i> <i>nmt1</i> Promoter Affect Transcription Efficiency but not the Transcription Start Point or Thiamine Repressibility", Gene, 1993, Vol. 123, pp. 131-136.	
	CO	BALDARI, C., et al., "A Novel Leader Peptide Which Allows Efficient Secretion of a Fragment of Human Interleukin 1 β in <i>Saccharomyces cerevisiae</i> ", The EMBO Journal, 1987, Vol. 6, No. 1, pp. 229-234.	
	CP	SCHULTZ, L.D., et al., "Expression and Secretion in Yeast of a 400-kDa Envelope Glycoprotein Derived from Epstein-Barr Virus," Gene, 1987, Vol. 54, pp. 113-123.	
	CQ	HINNEN, A., et al., "Transformation of Yeast", Proc. Natl. Acad. Sci. USA, 1978, Vol. 75, No. 4, pp. 1929-1933.	
	CR	LENNOX, E.S., "Transduction of Linked Genetic Characters of the Host by Bacteriophage P1", Virology, 1955, No. 1, pp. 190-206.	
	CS	LAEMMLI, U.K., "Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4", Nature, 1970, Vol. 227, pp. 680-685.	
	CT	YANISCH-PERRON, C., et al., "Improved M13 Phage Cloning Vectors and Host Strains: Nucleotide Sequences of the M13mp18 and pUC19 Vectors", Gene, 1985, No. 33, pp. 103-119.	
	CU	SANGER, F., et al., "DNA Sequencing with Chain-Terminating Inhibitors", Proc. Natl. Acad. Sci. USA, 1977, Vol. 74, No. 12, pp. 5463-5467.	
	CV	POGULIS, R.J., et al., "In Vitro Recombination and Mutagenesis by Overlap Extension PCR,"	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/572189
				Filing Date	March 15, 2006
				First Named Inventor	Kai Ostermann
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	13111-00033-US

		Methods of Molecular Biology, Vol. 57, pp. 167-176.	
	CW	KETTNER, K., et. al., "Expression of a VEGF-like Protein from <i>Parapoxvirus ovis</i> in the Yeasts <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> ," Protein Expression and Purification, 2001, Vol. 22, pp. 479-483.	
	CX	MORENO, M.B., et al., "A Family of Multifunctional Thiamine-Repressible Expression Vectors for Fission Yeast", Yeast, 2000, No. 16, pp. 861-872.	
	CY	SCHIESTL, R.H., et al., "High Efficiency Transformation of Intact Yeast Cells Using Single Stranded Nucleic Acids as a Carrier", Current Genetics, 1989, Vol. 16, pp. 339-446.	
	CZ	IMAI, Y., et al., "The Fission Yeast Mating Pheromone P-factor: its Molecular Structure, Gene Structure, and Ability to Induce Gene Expression and G ₁ Arrest in the Mating Partner", Development, 1994, Vol. 8, pp. 328-338.	
	CA1	NAKARI-SETALA, T., et al., "Expression of a Fungal Hydrophobin in the <i>Saccharomyces cerevisiae</i> Cell Wall: Effect on Cell Surface Properties and Immobilization", Applied and Environmental Microbiology, 2002, Vol. 68, No. 7, pp. 3385-3391.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--